Distributed by:

JAMECO® ELECTRONICS

www.Jameco.com ✦ 1-800-831-4242

The content and copyrights of the attached material are the property of its owner.

Jameco Part Number
228988
(PSA18U-120)

18 Watt - Universal Switching Adapter
PSA18U IEC320 C14 Input Series

PHIHONG *USA - Fremont*

Tel: 1-510-445-0100
Fax: 1-510-445-1678
E-mail:usasales@phihongusa.com
www.phihong.com

PHIHONG *Taiwan - Taipei:*

Tel: 886-2-29882126
886-2-29805255
Fax: 886-2-29817086
886-2-29833222
E-mail:phsales@phihong.com.tw
www.phihong.com.tw

PHIHONG *China - Tianjin:*

Tel: 86-22-66880040
Fax: 86-22-66880038
E-mail: eva_liu@phihong.com.tw

PHIHONG *Japan - Tokyo:*

Tel: 81-3-5447-5001
Fax: 81-3-5447-5002

PHIHONG *Europe - Glasgow, UK:*

Tel: 44-1698-816773
Fax: 44-1698-802290
E-mail:iaian@mariam.co.uk

PHIHONG *Brazil - Minas Gerais:*

Tel: 55-35-34715566
Fax: 55-35-34713577
E-mail:
commercial@phihong–pwm.com.br
www.phihong–pwm.com.br

Features

- Light Weight
- Cost Effective Design
- Sealed Case

Applications

- Low Power Computers
- Portable Equipment
- Peripherals
- Network Hubs

Safety Approvals

- cUL 1950
- TUV EN 60950
- CE
- T-mark

Mechanical Characteristics

Dimensions:
- Length: 98.5mm (3.88in)
- Width: 55mm (2.17in)
- Height: 31.5mm (1.24in)
- Weight: 200gm (7.05oz)

Output Specifications

Model	DC Output Voltage	Load		Ripple(1) P-P(max)	Regulation Line & Load(2)
		Min.	Max.		
PSA18U-033	3.3V	0A	4.0A	50mV	±5%
PSA18U-050	5.0V	0A	3.0A	50mV	±5%
PSA18U-090	9.0V	0A	2.0A	100mV	±5%
PSA18U-120	12V	0A	1.5A	120mV	±5%
PSA18U-150	15V	0A	1.2A	150mV	±5%
PSA18U-180	18V	0A	1.0A	180mV	±5%
PSA18U-240	24V	0A	0.75A	240mV	±5%

(1) Measured at full load by using a 12in. twisted pair terminated with a 10µF capacitor and a 0.1µF ceramic in parallel.
(2) No load to full load, 1.5 meter (5ft) DC cord, measured at the plug.

PSA18U Characteristics

INPUT:

AC Input Voltage
90 to 264 VAC

AC Input Frequency
47 to 63Hz

AC Input Current
0.5Arms (120VAC)
0.25Arms (240VAC)

AC Inrush Current (Cold Start, 25°C)
40A max. (120VAC)
80A max. (240VAC)

Efficiency
70% typical

OUTPUT:

Hold-up Time
16m Sec. Min. at Max. load & 120VAC, 60Hz

Overvoltage Protection
Zener Diode Calmping

Overcurrent Protection
Short Circuit, Auto Restart

ENVIRONMENTAL:

Operation Temperature (Convection)
0 to +40°C

Storage Temperature
-25 to +75°C

Relative Humidity
10% to 90% (Non-Condensing)

Emissions
FCC Class B
EN 55022 B

Immunity
EN50082-1: 1997
EN61000-4-2, Level 3
EN61000-4-3, Level 2
EN61000-4-4, Level 2
EN61000-4-5, Level 3
EN61000-4-6, Level 2
EN61000-4-11
EN61000-3-2
EN61000-3-3

GENERAL:

Leakage Current
3.5mA max. (254VAC)

Dielectric Withstand (Hipot)
3000VAC, 1 min., 10mA

Switching Frequency:
130KHz

MTBF (Full Load, 25°C)
100K Hrs. Minimum
MIL-HDBK-217F

AC Mating Connector
IEC 320/C13 Cord Set

DC Output Connector
2.1mm x 5.5mm x 9.5mm
Coaxial Plug;
Center Positive Standard

Dimension Diagram Unit: mm (inch)